

[\[rsf\]](#) / [trunk](#) / [filt](#) / [imag](#) / [Meikonal.c](#)

View of /trunk/filt/imag/Meikonal.c

[Parent Directory](#) | [Revision Log](#)Revision [1507](#) - ([download](#)) ([annotate](#))Sat Oct 22 04:01:28 2005 UTC (8 months ago) by *savap*

File size: 4177 byte(s)

```
/* Fast marching eikonal solver (3-D). */
/*
```

```
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```

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*/
```

```
#include <math.h>
```

```
#include<rsf.h>
```

```
#include "fastmarch.h"
```

```
int main (int argc, char* argv[])
{
```

```
    int b1, b2, b3, n1, n2, n3, i, nshot, ndim, is, order, n123, *p;
    float br1, br2, br3, o1, o2, o3, d1, d2, d3, slow;
    float **s, *t, *v;
    char *sfile;
    bool isvel, plane[3];
    sf_file vel, time, shots;
```

```
    sf_init (argc, argv);
    vel = sf_input("in");
    time = sf_output("out");
```

```
    if (SF_FLOAT != sf_gettype(vel))
        sf_error("Need float input");
    if(!sf_histint(vel, "n1", &n1)) sf_error("No n1= in input");
```